

DERWENT-ACC-NO: 1979-79647B

DERWENT-WEEK: 197944

COPYRIGHT 2007 DERWENT INFORMATION LTD

TITLE: Unsatd. polyester resin board prodn. - by  
laminating an  
epoxy! resin laminated prepreg on a curable  
unsatd.  
polyester resin layer, curing and moulding the  
laminate

PATENT-ASSIGNEE: MATSUSHITA ELECTRIC WORKS LTD [MATW]

PRIORITY-DATA: 1978JP-0029065 (March 13, 1978)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE
PAGES MAIN-IPC		
JP 54120675 A	September 19, 1979	N/A
000 N/A		

INT-CL (IPC): B29C027/12, B29D003/02, B32B015/08, B32B027/36,  
B32B031/12

ABSTRACTED-PUB-NO: JP 54120675A

BASIC-ABSTRACT:

Prodn. of unsatd. polyesterr resin boards comprises laminating an  
epoxy resin  
impregnated prepreg. on >=1 side of an unsatd. polyester resin  
layer which  
cures by light irradiation and/or heating to form a laminate and  
irradiating  
the resin layer with light through the prepreg. after which heating  
and  
moulding the laminate. Specifically a Cu foil, film forming material  
is  
overlaid on the epoxy resin impregnated prepreg. and heated.

The polyester layer is produced from e.g. 100 pts. (wt.) of an  
unsatd.  
polyester resin, 5-50 pts. of a crosslinking agent, 0-2 pts. of a  
light  
polymerisation initiator, 1-100 pts. of a thermal polymerisation  
initiator,

0.01-1 pt. of a thermal polymerisation inhibitor, 0-500 pts. of filler(s) and 0-500 pts. of reinforcing material(s). The thickness is pref. 0.5-5 mm. The light polymerisation is pref. conducted by UV irradiation or 10 sec. to 10 min.

The resin in the polyester layer changes to B-stage.

TITLE-TERMS: UNSATURATED POLYESTER RESIN BOARD PRODUCE LAMINATE POLYEPOXIDE  
RESIN LAMINATE PREPREG CURE UNSATURATED POLYESTER RESIN  
LAYER CURE  
MOULD LAMINATE

DERWENT-CLASS: A23 A32 A94 P73

CPI-CODES: A05-A01E1; A05-D02E1; A11-B09B; A11-C02B; A12-S08A;

POLYMER-MULTIPUNCH-CODES-AND-KEY-SERIALS:

Key Serials: 0011 0224 0229 1282 1293 2016 2020 2068 2072 2194 2198  
2211 2285  
2303 2437 2439 2491 2493 2654 2721 2726 2728  
Multipunch Codes: 011 03- 143 146 226 231 26& 294 298 308 341 353 359  
431 44&  
443 46& 473 477 502 575 596 723